

**CRF Errors Corrected by the STIC Systems Branch**

Serial Number: 09/866,020 A

CRF Processing Date: 1/22/2003  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

**ENTERED RECEIVED**

**JAN 28 2003**

**TECH CENTER 1600/2900**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was wrapped down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

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JAN 28 2003

TECH CENTER 1600/2900

1600



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,020A

DATE: 01/24/2003

TIME: 07:26:22

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Output Set : N:\CRF4\01242003\I866020A.raw

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1 <110> APPLICANT: DWORETZKY, STEVEN I
2 RAMANATHAN, CHANDRA S
3 TROJNACKI, JOANNE T
4 BOISSARD, CHRISTOPHER G
5 GRIBKOFF, VALENTIN K
6 <120> TITLE OF INVENTION: HUMAN KCNQ5 POTASSIUM CHANNEL METHODS AND COMPOSITIONS
7 THEREOF
8 <130> FILE REFERENCE: D0023
9 <140> CURRENT APPLICATION NUMBER: US/09/866,020A
10 <141> CURRENT FILING DATE: 2001-05-24
11 <150> PRIOR APPLICATION NUMBER: 60/207,389
12 <151> PRIOR FILING DATE: 2000-05-26
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19 <213> ORGANISM: Homo sapiens
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23 agggagagacc gccggggcga gcaggggggcc cggatgagcc tgctggggga gccgcctctc 180
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25 tacacgtgc tggagagacc ccgcggcttg gcgttcatct accacgcttt cgtttttctc 300
26 ctgtgctttg gtgtgctgat ttgtcagtg ttcttaccga tccctgagca cacaaaaatg 360
27 gcctcaagtgt gcctcttgat cctggagttc gtgatgattg tcgtctttgg ttggagttcg 420
28 atcattcgaa tctggtctgc ggggttgcgt tgctgatata gaggatggca aggaagactg 480
29 aggtttgctc gaaagccctt ctgtgttata gataccattg ttcttatcgc ttcaatagca 540
30 gttgtttctc caaaaaatca gggtaatat ttggccacgt ctgcactcag aagtctccgt 600
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32 ggttcagtgg ttatgtgcca cagcaaggaa ttaattcacg ctgtgtacat aggatttttg 720
33 gttcttattt ttctgtcttt cctgtcttat ctggtggaag aggatgccaa taaagagttt 780
34 tctacatag cagatgctct ctggtggggc acaattacat tgacaactat tggctatgga 840
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36 atttctttct ttgcaattcc tgccggcatt ctggctcag gttttgcat taaagtacaa 960
37 gaacaacacc gccagaaaca ctttgagaaa agaaggaacc cagctgccaa cctcatcag 1020
38 tgtgttttgc gtagttaacc agctgatgag aaatctgttt ccattgcaac ctggaagcca 1080
39 cacttggaag ccttgcaacc ctgcagccct accaagaagg aacaaggagg agcatcaag 1140
40 agtcagaagc taagttttaa ggagcgagtg cgcattggcta gccccagggg ccagagattt 1200
41 aagagccgac aagcctcagt aggtgcacag aggtcccca gcccgccacat ccagccgag 1260
42 ggcagctccc ccaaagtga gaagagcttg agcttcaacg accgaacccg cttccggccc 1320
43 tcgctgcgct tcaaaagttc tcagccaaaa ccagtgatg atgctgaac agcccttggc 1380
44 actgatgatg tataatgatg aaaaggatgc cagtgtgatg tatcagtga agacctcacc 1440

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47 ggctcatctgg acatgtttgtg tagaattaaa agccttcaaa cactgtgtga tcaaatctct 1620
48 ggaagaaggc aaatcacatc agataagaag agccgagaga aaataacagc agaacatgag 1680
49 accacagacg atctcagtat gctcggtcgg gtgggtcaagg ttgaaaaaca ggtacagtcc 1740
50 atagagtcca agctggactg cctactagac atctatcaac aggtcctctg gaaaggctct 1800
51 gcctcagccc tcgctttggc ttcattccag atcccacctt ttgaatgtga acagacatct 1860
52 gactatcaaa gcctctgtga tagcaaaagt ctttcgggtt ccgcacaaaa cagtggctgc 1920
53 ttatccagat caactagtgc caacatctcg agaggcctgc agttcattct gacgccaagt 1980
54 gaggttcagtg cccagacttt ctacgcgctt agccctacta tccacagtca agcaacacag 2040
55 gtgcgaatta gtcaaaagcga tggctcagca gtggcagcca ccaacacatg tcaaaaccaa 2100
56 ataatatcgg caccacaagg agcagcccca acaactttac agatcccacc tcctctccca 2160
57 gccatcaagc atctgcccag gccagaaact ctgcacccta accctgcagg cttacaggaa 2220
58 agcattttcg agctcaccac ctgecttgtt gcctccaagg aaatgtgtca ggttgcaag 2280
59 tcaaatctca ccaaggaccg ttctatgagg aaaaagcttg acatggggag agaaaactctg 2340
60 ttgtctgtct gtcccatggt gccgaaggag ttgggcacaa tttgtctgt gcaaaactgt 2400
61 atcaggtcga ccgaggaact gaatatcaaa ctttcaggga gtgagtgcaag tggctccaga 2460
62 ggacgccaaag atttttacc caaatggagg gaatccaaat tgtttataac tgatgaagag 2520
63 gtgggtcccg aagagacaga gacagacact ttgatgccg caccgcagcc tggcaggtaa 2580
64 gctgccttgg catcagactc tctaaggact ggaaggtcac gatcatctca gacgatttgt 2640
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67 &lt;210&gt; SEQ ID NO: 2

68 &lt;211&gt; LENGTH: 897

69 &lt;212&gt; TYPE: PRT

70 &lt;213&gt; ORGANISM: Homo sapiens

71 &lt;400&gt; SEQUENCE: 2

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73 1 5 10 15
74 Ala Ala Arg Gly Asp Gly Leu Leu Leu Gly Thr Arg Ala Ala Thr
75 20 25 30
76 Leu Gly Gly Gly Gly Gly Gly Leu Arg Glu Ser Arg Arg Gly Lys Gln
77 35 40 45
78 Gly Ala Arg Met Ser Leu Leu Gly Lys Pro Leu Ser Tyr Thr Ser Ser
79 50 55 60
80 Gln Ser Cys Arg Arg Asn Val Lys Tyr Arg Arg Val Gln Asn Tyr Leu
81 65 70 75 80
82 Tyr Asn Val Leu Glu Arg Pro Arg Gly Trp Ala Phe Ile Tyr His Ala
83 85 90 95
84 Phe Val Phe Leu Leu Val Phe Gly Cys Leu Ile Leu Ser Val Phe Ser
85 100 105 110
86 Thr Ile Pro Glu His Thr Lys Leu Ala Ser Ser Cys Leu Leu Ile Leu
87 115 120 125
88 Glu Phe Val Met Ile Val Val Phe Gly Leu Glu Phe Ile Ile Arg Ile
89 130 135 140
90 Trp Ser Ala Gly Cys Cys Cys Arg Tyr Arg Gly Trp Gln Gly Arg Leu
91 145 150 155 160
92 Arg Phe Ala Arg Lys Pro Phe Cys Val Ile Asp Thr Ile Val Leu Ile
93 165 170 175
94 Ala Ser Ile Ala Val Val Ser Ala Lys Thr Gln Gly Asn Ile Phe Ala

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Output Set: N:\CRF4\01242003\I866020A.raw

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96 Thr Ser Ala Leu Arg Ser Leu Arg Phe Leu Gln Ile Leu Arg Met Val
97          195          200          205
98 Arg Met Asp Arg Arg Gly Gly Thr Trp Lys Leu Leu Gly Ser Val Val
99          210          215          220
100 Tyr Ala His Ser Lys Glu Leu Ile Thr Ala Trp Tyr Ile Gly Phe Leu
101          225          230          235          240
102 Val Leu Ile Phe Ser Ser Phe Leu Val Tyr Leu Val Glu Lys Asp Ala
103          245          250          255
104 Asn Lys Glu Phe Ser Thr Tyr Ala Asp Ala Leu Trp Trp Gly Thr Ile
105          260          265          270
106 Thr Leu Thr Thr Ile Gly Tyr Gly Asp Lys Thr Pro Leu Thr Trp Leu
107          275          280          285
108 Gly Arg Leu Leu Ser Ala Gly Phe Ala Leu Leu Gly Ile Ser Phe Phe
109          290          295          300
110 Ala Leu Pro Ala Gly Ile Leu Gly Ser Gly Phe Ala Leu Lys Val Gln
111          305          310          315          320
112 Glu Gln His Arg Gln Lys His Phe Glu Lys Arg Arg Asn Pro Ala Ala
113          325          330          335
114 Asn Leu Ile Gln Cys Val Trp Arg Ser Tyr Ala Ala Asp Glu Lys Ser
115          340          345          350
116 Val Ser Ile Ala Thr Trp Lys Pro His Leu Lys Ala Leu His Thr Cys
117          355          360          365
118 Ser Pro Thr Lys Lys Glu Gln Gly Glu Ala Ser Ser Ser Gln Lys Leu
119          370          375          380
120 Ser Phe Lys Glu Arg Val Arg Met Ala Ser Pro Arg Gly Gln Ser Ile
121          385          390          395          400
122 Lys Ser Arg Gln Ala Ser Val Gly Asp Arg Arg Ser Pro Ser Thr Asp
123          405          410          415
124 Ile Thr Ala Glu Gly Ser Pro Thr Lys Val Gln Lys Ser Trp Ser Phe
125          420          425          430
126 Asn Asp Arg Thr Arg Phe Arg Pro Ser Leu Arg Leu Lys Ser Ser Gln
127          435          440          445
128 Pro Lys Pro Val Ile Asp Ala Asp Thr Ala Leu Gly Thr Asp Asp Val
129          450          455          460
130 Tyr Asp Glu Lys Gly Cys Gln Cys Asp Val Ser Val Glu Asp Leu Thr
131          465          470          475          480
132 Pro Pro Leu Lys Thr Val Ile Arg Ala Ile Arg Ile Met Lys Phe His
133          485          490          495
134 Val Ala Lys Arg Lys Phe Lys Glu Thr Leu Arg Pro Tyr Asp Val Lys
135          500          505          510
136 Asp Val Ile Glu Gln Tyr Ser Ala Gly His Leu Asp Met Leu Cys Arg
137          515          520          525
138 Ile Lys Ser Leu Gln Thr Arg Val Asp Gln Ile Leu Gly Lys Gly Gln
139          530          535          540
140 Ile Thr Ser Asp Lys Lys Ser Arg Glu Lys Ile Thr Ala Glu His Glu
141          545          550          555          560
142 Thr Thr Asp Asp Leu Ser Met Leu Gly Arg Val Val Lys Val Glu Lys
143          565          570          575

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## RAW SEQUENCE LISTING

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TIME: 07:26:22

Input Set : N:\Crf4\01222003\I866020.raw

Output Set: N:\CRF4\01242003\I866020A.raw

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144   Gln Val Gln Ser Ile Glu Ser Lys Leu Asp Cys Leu Leu Asp Ile Tyr
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146   Gln Gln Val Leu Arg Lys Gly Ser Ala Ser Ala Leu Ala Leu Ala Ser
147           595           600           605
148   Phe Gln Ile Pro Pro Phe Glu Cys Glu Gln Thr Ser Asp Tyr Gln Ser
149           610           615           620
150   Pro Val Asp Ser Lys Asp Leu Ser Gly Ser Ala Gln Asn Ser Gly Cys
151           625           630           635
152   Leu Ser Arg Ser Thr Ser Ala Asn Ile Ser Arg Gly Leu Gln Phe Ile
153           645           650           655
154   Leu Thr Pro Asn Glu Phe Ser Ala Gln Thr Phe Tyr Ala Leu Ser Pro
155           660           665           670
156   Thr Met His Ser Gln Ala Thr Gln Val Pro Ile Ser Gln Ser Asp Gly
157           675           680           685
158   Ser Ala Val Ala Ala Thr Asn Thr Ile Ala Asn Gln Ile Asn Thr Ala
159           690           695           700
160   Pro Lys Pro Ala Ala Pro Thr Thr Leu Gln Ile Pro Pro Pro Leu Pro
161           705           710           715
162   Ala Ile Lys His Leu Pro Arg Pro Glu Thr Leu His Pro Asn Pro Ala
163           725           730           735
164   Gly Leu Gln Glu Ser Ile Ser Asp Val Thr Thr Cys Leu Val Ala Ser
165           740           745           750
166   Lys Glu Asn Val Gln Val Ala Gln Ser Asn Leu Thr Lys Asp Arg Ser
167           755           760           765
168   Met Arg Lys Ser Phe Asp Met Gly Gly Glu Thr Leu Leu Ser Val Cys
169           770           775           780
170   Pro Met Val Pro Lys Asp Leu Gly Lys Ser Leu Ser Val Gln Asn Leu
171           785           790           795
172   Ile Arg Ser Thr Glu Glu Leu Asn Ile Gln Leu Ser Gly Ser Glu Ser
173           805           810           815
174   Ser Gly Ser Arg Gly Ser Gln Asp Phe Tyr Pro Lys Trp Arg Glu Ser
175           820           825           830
176   Lys Leu Phe Ile Thr Asp Glu Glu Val Gly Pro Glu Glu Thr Glu Thr
177           835           840           845
178   Asp Thr Phe Asp Ala Ala Pro Gln Pro Ala Arg Glu Ala Ala Phe Ala
179           850           855           860
180   Ser Asp Ser Leu Arg Thr Gly Arg Ser Arg Ser Ser Gln Ser Ile Cys
181           865           870           875
182   Lys Ala Gly Glu Ser Thr Asp Ala Leu Ser Leu Pro His Val Lys Leu
183           885           890           895
184   Lys
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187 <211> LENGTH: 21
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo sapiens
190 <220> FEATURE:
191 <221> NAME/KEY: exon
192 <222> LOCATION: (1)..(21)
193 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 01/24/2003

PATENT APPLICATION: US/09/866,020A

TIME: 07:26:22

Input Set : N:\Crf4\01222003\I866020.raw

Output Set: N:\CRF4\01242003\I866020A.raw

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199         1                      5
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202 <211> LENGTH: 1090
203 <212> TYPE: DNA
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205 <220> FEATURE:
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211         ttataagcc cgttaccctt taattgcatg aaatgcatg tttagggatg gctaaaaattc 180
212         caaggtgcac cgacattaac ccactcattt agtaatgtac cttgagttaa aaagcctga 240
213         aaaccaaaca cagctaatagc tatggggtgt atgaatatgt caagtttagg tcatttagaa 300
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217         gctgcttatt tcaagatata ttggccaacc cattcctatt cagtcatttt attattaatg 540
218         taatttgaat gtcaattttg gtgcttttgg tgatttagcg ctgtggcaag caattttgca 600
219         catcattttc atgttgttct ttatgacaag aatgttcttc aattagaaaa tgtgcaaaata 660
220         atgaaaatca gggccagtgga ggcaaataga ctatctgaca tatttgactt tatgaaaaca 720
221         tattgctcta tggcagaatc aactttataa gtgtgtcaact tctacacaag cgtatgaaat 780
222         actggtcagt agaacagcca ttgtgatgg actggttctc ctgcaatggc gccaaacccca 840
223         ggctggccaa tactgcctat gtaaaaggca agtgtgagaa gctattctca ttctgctgac 900
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225         aaagaaccca gaaacaccac cagggaattg gcaaaagtaa agaaaatgac ttccccctca 1020
226         aagggcaatg aaggggagag aaacaaacca aaatagaaga actagacttt ttagaanaatg 1080
227         agtattgcta
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230 <211> LENGTH: 18
231 <212> TYPE: PRF
232 <213> ORGANISM: Homo sapiens
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236         Ala Arg
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239 <211> LENGTH: 23
240 <212> TYPE: PRF
241 <213> ORGANISM: Homo sapiens
242 <400> SEQUENCE: 6
243         Pro Leu Ser Tyr Thr Ser Ser Gln Ser Cys Arg Arg Asn Val Lys Tyr
244         1                      5                      10                      15
245         Arg Arg Val Gln Asn Tyr Leu

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/24/2003  
PATENT APPLICATION:    US/09/866,020A      TIME: 07:26:23

Input Set : N:\Crf4\01222003\I866020.raw  
Output Set: N:\CRF4\01242003\I866020A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/09/866,020A**

DATE: 01/24/2003

TIME: 07:26:23

Input Set : **N:\CrF4\01222003\I866020.raw**

Output Set: **N:\CRF4\01242003\I866020A.raw**

L:206 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4





1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,020A

DATE: 01/24/2003

TIME: 07:25:49

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1 <110> APPLICANT: DWORETZKY, STEVEN I  
 2 RAMANATHAN, CHANDRA S  
 3 TROJNACKI, JOANNE T  
 4 BOISSARD, CHRISTOPHER G  
 5 GRIKOFF, VALENTIN K  
 6 <120> TITLE OF INVENTION: HUMAN KCNQ5 POTASSIUM CHANNEL METHODS AND COMPOSITIONS  
 7 THEREOF  
 8 <130> FILE REFERENCE: D0023  
 9 <140> CURRENT APPLICATION NUMBER: US/09/866,020A  
 10 <141> CURRENT FILING DATE: 2001-05-24  
 11 <150> PRIOR APPLICATION NUMBER: 60/207,389  
 12 <151> PRIOR FILING DATE: 2000-05-26  
 13 <160> NUMBER OF SEQ ID NOS: 31  
 14 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

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 774 <213> ORGANISM: Homo sapiens  
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 780 Gln Gly Glu Ala Gly Gly Gly Ser Pro Arg Arg Leu Gly Leu Leu  
 781 35 40 45  
 782 Gly Ser Pro Leu Pro Pro Gly Ala Pro Leu Pro Gly Pro Gly Ser Gly  
 783 50 55 60  
 784 Ser Gly Ser Ala Cys Gly Gln Arg Ser Ser Ala Ala His Lys Arg Tyr  
 785 65 70 75 80  
 786 Arg Arg Leu Gln Asn Trp Val Tyr Asn Val Leu Glu Arg Pro Arg Gly  
 787 85 90 95  
 788 Trp Ala Phe Val Tyr His Val Phe Ile Phe Leu Leu Val Phe Ser Cys  
 789 100 105 110  
 790 Leu Val Leu Ser Val Leu Ser Thr Ile Gln Glu His Gln Glu Leu Ala  
 791 115 120 125  
 792 Asn Glu Cys Leu Leu Ile Leu Glu Phe Val Met Ile Val Val Phe Gly  
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 794 Leu Glu Tyr Ile Val Arg Val Trp Ser Ala Gly Cys Cys Arg Tyr  
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P3

## \*RAW SEQUENCE LISTING

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Input Set : N:\Crf4\01212003\I866020.raw

Output Set: N:\CRF4\01242003\I866020A.raw

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797                               165                170                175
798 Ile Asp Phe Ile Val Phe Val Ala Ser Val Ala Val Ile Ala Ala Gly
799                               180                185                190
800 Thr Gln Gly Asn Ile Phe Ala Thr Ser Ala Leu Arg Ser Met Arg Phe
801                               195                200                205
802 Leu Gln Ile Leu Arg Met Val Arg Met Asp Arg Arg Gly Gly Thr Trp
803                               210                215                220
804 Lys Leu Leu Gly Ser Val Val Tyr Ala His Ser Lys Glu Leu Ile Thr
805                               225                230                235                240
806 Ala Trp Tyr Ile Gly Phe Leu Val Leu Ile Phe Ala Ser Phe Leu Val
807                               245                250                255
808 Tyr Leu Ala Glu Lys Asp Ala Asn Ser Asp Phe Ser Ser Tyr Ala Asp
809                               260                265                270
810 Ser Leu Trp Trp Gly Thr Ile Thr Leu Thr Thr Ile Gly Tyr Gly Asp
811                               275                280                285
812 Lys Thr Pro His Thr Trp Leu Gly Arg Val Leu Ala Ala Gly Phe Ala
813                               290                295                300
814 Leu Leu Gly Ile Ser Phe Phe Ala Leu Pro Ala Gly Ile Leu Gly Ser
815                               305                310                315                320
816 Gly Phe Ala Leu Lys Val Gln Glu Gln His Arg Gln Lys His Phe Glu
817                               325                330                335
818 Lys Arg Arg Met Pro Ala Ala Asn Leu Ile Gln Ala Ala Trp Arg Leu
819                               340                345                350
820 Tyr Ser Thr Asp Met Ser Arg Ala Tyr Leu Thr Ala Thr Trp Tyr Tyr
821                               355                360                365
822 Tyr Asp Ser Ile Leu Pro Ser Phe Arg Glu Leu Ala Leu Leu Phe Glu
823                               370                375                380
824 His Val Gln Arg Ala Arg Asn Gly Gly Leu Arg Pro Leu Glu Val Arg
825                               385                390                395                400
826 Arg Ala Pro Val Pro Asp Gly Ala Pro Ser Arg Tyr Pro Pro Val Ala
827                               405                410                415
828 Thr Cys His Arg Pro Gly Ser Thr Ser Phe Cys Pro Gly Glu Ser Ser
829                               420                425                430
830 Arg Met Gly Ile Lys Asp Arg Ile Arg Met Gly Ser Ser Gln Arg Arg
831                               435                440                445
832 Thr Gly Pro Ser Lys Gln Gln Leu Ala Pro Pro Thr Met Pro Thr Ser
833                               450                455                460
834 Pro Ser Ser Glu Gln Val Gly Glu Ala Thr Ser Pro Thr Lys Val Gln
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836 Lys Ser Trp Ser Phe Asn Asp Arg Thr Arg Phe Arg Ala Ser Leu Arg
837                               485                490                495
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839                               500                505                510
840 Glu Glu Lys Ser Tyr Gln Cys Glu Leu Thr Val Asp Asp Ile Met Pro
841                               515                520                525
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843                               530                535                540
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TIME: 07:25:49

Input Set : N:\Crf4\01212003\I866020.raw

Output Set: N:\CRF4\01242003\I866020A.raw

845	545	550	555	560
846	Val Ile Glu Gln Tyr Ser Ala Gly His Leu Asp Met Leu Gly Arg Ile			
847		565	570	575
848	Lys Ser Leu Gln Thr Arg Val Asp Gln Ile Val Gly Arg Gly Pro Gly			
849		580	585	590
850	Asp Arg Lys Ala Arg Glu Lys Gly Asp Lys Gly Pro Ser Asp Ala Glu			
851		595	600	605
852	Val Val Asp Glu Ile Ser Met Met Gly Arg Val Val Lys Val Glu Lys			
853		610	615	620
854	Gln Val Gln Ser Ile Glu His Lys Leu Asp Leu Leu Gly Phe Tyr			
855		625	630	635
856	Ser Arg Cys Leu Arg Ser Gly Thr Ser Ala Ser Leu Gly Ala Val Gln			
857		645	650	655
858	Val Pro Leu Phe Asp Pro Asp Ile Thr Ser Asp Tyr His Ser Pro Val			
859		660	665	670
860	Asp His Glu Asp Ile Ser Val Ser Ala Gln Thr Leu Ser Ile Ser Arg			
861		675	680	685
862	Ser Val Ser Thr Asn Met Asp			
863		690	695	

E--&gt; 864

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/24/2003  
PATENT APPLICATION: US/09/866,020A      TIME: 07:25:50

Input Set : N:\Crf4\01212003\I866020.raw  
Output Set: N:\CRF4\01242003\I866020A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6